
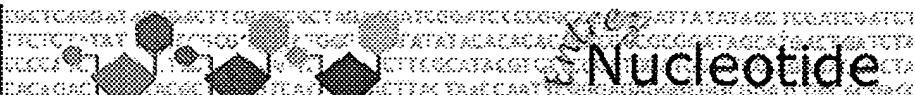


(FILE 'HOME' ENTERED AT 09:41:07 ON 21 MAR 2005)

FILE 'MEDLINE, CAPLUS' ENTERED AT 09:41:45 ON 21 MAR 2005

L1	57 S (LIVER (5A) PHOSPHOFRUCTOKINASE) AND IMMUN?
L2	48 DUP REM L1 (9 DUPLICATES REMOVED)
L3	175 S (APECED OR AIRE) AND (MUTATION? OR POLYMORPHISM?)
L4	108 DUP REM L3 (67 DUPLICATES REMOVED)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	15	(apeced or aire) same (polymorphism or mutation)	US-PGPUB; USPAT; DERWENT	OR	ON	2005/03/21 10:07

[PubMed](#)
[Nucleotide](#)
[Protein](#)
[Genome](#)
[Structure](#)
[PMC](#)
[Taxonomy](#)
[OMIM](#)
[Books](#)

Search  for

Range: from  to 
☐ Reverse complemented strand
 Features: ☐ SNP

☐ CDD
 ☒ MGC
 ☐ HPRD

☐ 1: [X80853](#). Reports H.sapiens gene fo...[gi:1292864] [Links](#)

LOCUS HSLTPFK 2586 bp DNA linear PRI 29-APR-1996

DEFINITION H.sapiens gene for liver type phosphofructokinase.

ACCESSION X80853

VERSION X80853.1 GI:1292864

KEYWORDS phosphofructokinase.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;  
Hominidae; Homo.

REFERENCE 1

AUTHORS Levanon,D., Brandeis,M., Bernstein,Y. and Groner,Y.

TITLE Common promoter features in human and mouse liver type  
phosphofructokinase gene

JOURNAL Biochem. Mol. Biol. Int. 35 (5), 929-936 (1995)

PUBMED 7549935

REFERENCE 2 (bases 1 to 2586)

AUTHORS Groner,Y.

TITLE Direct Submission

JOURNAL Submitted (04-AUG-1994) Y. Groner, The Weizmann Institute, Rehovot  
76100, ISRAEL

FEATURES Location/Qualifiers

source

1..2586  
/organism="Homo sapiens"  
/mol\_type="genomic DNA"  
/db\_xref="taxon:9606"  
/chromosome="21"  
/map="21q22.3"  
/clone\_lib="chromosome 21 enriched genomic library  
(Cytometry 7;411-417;1986)"

mRNA

1..2586  
/product="phosphofructokinase"  
/note="liver type"

repeat region

447..616  
/note="1/2Aluv"  
/rpt\_family="Alu"

repeat region

1251..1597  
/rpt\_family="Alu"

misc binding

2471..2526  
/bound\_moiety="Sp1"

ORIGIN

1 atgggcctcg ggcctcagtt tccccacctt tgacttagag ggaaggttgg atggtgactt  
61 cttgtaacga tggccatgat tctgtggctg cggcgggggc gcacctggag gttctcaccg  
121 tcactctgtc ccgcagcaca ctttcgatgg catcctgcag tgggcatcc agagcatggc

181 ccgtccggcg gcccccttcc cctcctgacc ccagatggcc gggacatgca gctctgatga  
241 gagagtgtcg agaaggacac ctcccttctc agtcctggaa gccggccggc tgggatcaag  
301 aaggggacag cgccacctct tgtcagtgtc cggctgtaaa cagctctgtg tttctgggga  
361 caccagccat catgtgcctg gaaattaaac cctgccccac ttctctactc tgggaagtccc  
421 cgggagcctc tccttgccctg gtgacctact aaaaatataa aaattagctg ggtgtggtgg  
481 tgggtgcctg taatcccagc tacatgggag cctgaggcat gagaatcact tgaactcggg  
541 aggtggaggt tgcagtgagc tgagattgcg ccactgcact ccagtctggt cggcaagagt  
601 gagactccgt ctcaaaaaca aaacaaaaca aaaaaaccac ataacataaa tttatcatct  
661 cgaccacttt tcagttcagt ggcattcaca tctcatgtaa ccattgccac caccatctgc  
721 agagctgttc cagcttctctg aatggaaact ctggcccat gaaacactca ctccccattc  
781 ccctcccaac ccctggcacc ctccactcta ctttctgtct ctatgacttc tccagggacc  
841 tcatggaagt ggaatcacac agtatctgtc cttttgtgtc tgtcttattt tactcagcat  
901 ggtggcccca aggttcatcc atgttgtagc atgtgccgaa atctgcttcc ttttttaagg  
961 ctgagtaata ttccagcaca tggactggac tgcatttgtt tcatctatgc tttcctcagc  
1021 agacacctgg gtgcttccac cttttggctg ttgtgagtaa tgctgctatg aatatgtgtg  
1081 tgcaaatatc tgtgtgagtc tttgagtaaa atcgctggat cacatggtaa ttatatTTTT  
1141 aattttttga agaactgcca tcctgttttc cacagcagct acaccatttc acatccccac  
1201 caacactgca tgagggttcc agcctcccca tacccttgaa acaattacta ttttctgcat  
1261 ttttctttct tttcttttct tctttttttg agacggagtt tcgctcttgc tgcccaggct  
1321 gcagtgcaat ggcgcagtct ccactcactg caacctctgc ctcttggtt caagtgattc  
1381 tcctgcctca gcctcctgca tagctgggat tacaggcgca caccaccatg cccggctaatt  
1441 ttttgtattt ttagtagaga cggggtttca ccattgttggc tgggctggtc tcgaactcct  
1501 gacctcagac ctcaggtgat ccaccccccc ccccccacac cccacgggccc tcccaaagtt  
1561 ctgggattat gggcgtgagc gactgcgccc agcctgtgtt tttcttttat agtagccatc  
1621 ctaatgggta tgagggtgta cctcattgtg gctaaaccat gtacgtttta gaatttacac  
1681 acacacacac acacacacac acacacacgt gatgaagctg taagaaaagg gagagaataa  
1741 tgacccaaaa tgtcagcaca aggatgcctc aggggtagac acagggtgtc tcttagcgcc  
1801 ttttagccca cgcataatgtg cttgcgcagt ctctcggtgt gttttctaac atttcacaat  
1861 taaataagga gtagttgata ttcacaggcc accatttcca ccgtatatgt agagaaaaat  
1921 gctcaaatcc tagcgatcag cccgctgagc tttcacaac cgaacacacc gtgcggtcac  
1981 gaggcggctc tcccgaacac cggctctgca ccccagggc cgggggaacc aagacttccc  
2041 caagggccca gcaaaagtga gggaggaggg gaggaagga gggagaggga gggaggagtg  
2101 ctggctgctt tccgccagcg cctcgtttgg gtttcgctct gctgaggcct gaaggcgccc  
2161 tgaggcgccct ggggggcagg gaggggcggt ggctgcggcc gacagcaagg aacctccgga  
2221 gaagcgaagc cgggccagac gtgccaccgg gccctcggcg ctggcgaagg ggcgcgtgcg  
2281 gccgcactgg ggccagcccc gccctggtcc cggccacat cctcgagacc accggggtg  
2341 aggggggggt ctactgctc agggcccgcg tgacattgca caggtttaga aacgcacagc  
2401 gggaaggtgc cccggcgggc cgagggcgca ggatccctgc tccgtccagg gtccgtcctg  
2461 cgaggaggcg cggggggcgg gcccgggcg gggcgggcg aaggcgcgcg cggggcgggg  
2521 cggggacggc gacgcggcgc aggcggcggg agtgcgagct gggcccggtt ttcggccgcc  
2581 gccatg

//

[Disclaimer](#) | [Write to the Help Desk](#)  
[NCBI](#) | [NLM](#) | [NIH](#)

Feb 9 2005 14:31:19

Query Match 16.5%; Score 336; DB 9; Length 2586;  
Best Local Similarity 100.0%; Pred. No. 5.1e-169;  
Matches 336; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1701 AGCACACCTTCGATGGCATCTCTGAGTGGGCGCATCCAGAGCATGCCCGTCCGGGGGCC 1760  
Db |||||  
135 AGCACACCTTCGATGGCATCTCTGAGTGGGCGCATCCAGAGCATGCCCGTCCGGGGGCC 194  
QY 1761 CTTTCCCTCCTGACCCAGATGGCCGACATGACGCTCTGATGAGAGAGTGTCTGAGAA 1820  
Db |||||  
195 CTTTCCCTCCTGACCCAGATGGCCGACATGACGCTCTGATGAGAGAGTGTCTGAGAA 254  
QY 1821 GGACACCTCTCTTCAGTCTGGAAGCCGCGCGCTGGGATCAAGAGGGGACAGCGCC 1880  
Db |||||  
255 GGACACCTCTCTTCAGTCTGGAAGCCGCGCGCTGGGATCAAGAGGGGACAGCGCC 314  
QY 1881 ACCTCTTGTGACGCTCGGCTGTAAACAGCTCTGTGTTCTGGGACACCCAGCCATCATG 1940  
Db |||||  
315 ACCTCTTGTGACGCTCGGCTGTAAACAGCTCTGTGTTCTGGGACACCCAGCCATCATG 374  
QY 1941 TGCTTGGAAATTTAAACCTTCTCTACTCTGAAAGTCCCGGGAGCCTCTCTCT 2000  
Db |||||  
375 TGCTTGGAAATTTAAACCTTCTCTACTCTGAAAGTCCCGGGAGCCTCTCTCTCT 434  
QY 2001 TGCTTGGTGAACCTACTTAAATAATATAAATAATTAGCTG 2036  
Db |||||  
435 TGCTTGGTGAACCTACTTAAATAATATAAATAATTAGCTG 470

RESULT 8  
HSLTPFK  
LOCUS 2586 bp DNA linear PRI 29-APR-1996  
DEFINITION H.sapiens gene for liver type phosphofructokinase.  
ACCESSION X80853  
VERSION X80853.1 GI:1292864  
KEYWORDS phosphofructokinase.  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.  
1  
Levanon, D., Brandeis, M., Bernstein, Y. and Groner, Y.  
Common promoter features in human and mouse liver type  
phosphofructokinase gene  
Biochem. Mol. Biol. Int. 35 (5), 929-936 (1995)  
96018039  
MEDLINE  
7549935  
REFERENCE  
2 (bases 1 to 2586)  
Groner, Y.  
Direct Submission  
Submitted (04-AUG-1994) Y. Groner, The Weizmann Institute, Rehovot  
76100, ISRAEL  
FEATURES  
source  
1. .2586  
/organism="Homo sapiens"  
/mol\_type="genomic DNA"  
/db\_xref="taxon:9606"  
/chromosome="21"  
/map="21q22.3"  
/clone\_lib="chromosome 21 enriched genomic library  
(Cytometry 7:411-417;1986)"  
1. .2586  
/product="phosphofructokinase"  
/note="liver type"  
447. .616  
/note="1/2Aluv"  
/rpt\_family="Alu"  
1251. .1597  
/rpt\_family="Alu"  
2471. .2526  
/bound\_motety="Spl"